

NAVSHIPREPFAC YOKOSUKA  
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-26YO  
DATE: 01 NOV 2001  
CATEGORY: II

1. SCOPE:

1.1 Title: Teletype Equipment; repair

2. REFERENCES:

- a. NAVSHIPREPFAC Yokosuka Local Standard Items
- b. Equipment Technical Manual
- c. MIL-HDBK-454, General Guidelines for Electronic Equipment
- d. MIL-STD-1310, Shipboard Bonding, Grounding, and Other Techniques for Electromagnetic Compatibility and Safety
- e. ***IA PUB-5239-31, Information Assurance Shipboard Red/Black Installation Publication***
- f. ***NSTISSAM TEMPEST/2-95, Red/Black Installation Guidance***

3. REQUIREMENTS:

3.1 Remove the equipment, using 2.b for guidance.

3.2 Disassemble and clean assemblies, subassemblies, and components, using 2.b for guidance.

(V) "INSPECT AND TEST"

3.3 Inspect and test mechanical and electrical components, assemblies, subassemblies, and circuitry for conformance to design characteristics in accordance with 2.b.

3.4 Repair the equipment, using 2.b for guidance.

3.4.1 Remove defective and install new components and circuitry. Install new components and circuitry where missing. New material shall conform to the requirements of 2.b.

3.4.2 New circuit wiring shall conform to MIL-***DTL***-16878.

3.4.3 Remove existing wicks, felts, hardened rubber parts, broken (or missing) springs, and hardware. Install new material conforming to 2.b.

3.4.4 Correct discrepancies found in circuit terminal connections in accordance with 2.b and as modified by applicable field changes.

3.4.5 Remove existing and install new wire markers. Install new wire markers where missing. New wire markers shall conform to SAE-AMS-DTL-23053, Class One, white, marked with indelible ink.

3.4.6 Remove existing and install new lugs. Install new lugs where missing. New lugs shall conform to MIL-T-16366 or **SAE-AS-7928**.

3.5 Accomplish the requirements of 099-32YO of 2.a, for the equipment enclosures.

3.6 Adjust and align mechanical components in accordance with 2.b and apply a light film of lubricating oil in accordance with Guideline 43 of 2.c to prevent corrosion.

3.7 Assemble and adjust the equipment, using 2.b for guidance.

3.7.1 Free-up and lubricate moving parts.

3.7.2 Adjust the equipment to accept 35 percent distortion of incoming signals.

3.7.3 Adjust keyboard and transmitter/distributor contacts to provide **less than** five percent distortion of the keyed pulse, using a distortion analyzer during adjustment.

3.8 Accomplish an operational test and ensure performance of the equipment is equal to or exceeds the minimum performance standards required by 2.b.

3.8.1 Calibrate range and distortion and obtain a continuous solid copy for a **half**-hour period.

3.8.2 Submit four legible copies of the completed test sheets to NAVSHIPREPFAC.

3.9 Install the equipment, installing new fasteners conforming to MIL-**DTL-1222**, Type I or II, Grade 5, zinc coated.

3.9.1 Fasteners requiring a permeability factor of 2.0 or less shall conform to Grade 304 CRES.

3.9.2 Bond and ground the equipment in accordance with 2.d **through 2.f**.

3.10 Energize the equipment, using ship's power or equivalent, and accomplish the performance tests in accordance with 2.b.

3.10.1 Submit four legible copies of the completed performance tests summary sheets to NAVSHIPREPFAC.

(V)(G) "INTERFACED OPERATION OF EQUIPMENT"

3.11 Verify operation of equipment with associated shipboard systems.

#### 4. NOTES:

4.1 Equipment instruction manual will be **listed in** the invoking Work Item.

4.2 **Electronic versions of 2.e and 2.f may be downloaded from the Department of the Navy INFOSEC/IA Web Site at <https://infosec.navy.mil>.**